THERE IS NO LARGEST PRIME NUMBER

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ÓBUDA UNIVERSITY ANTAL BEJCZY CENTER FOR INTELLIGENT ROBOTICS





OUTLINE

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- Newest results of Euclid:

 There Is No Largest Prime Number
- 2 Examples for figures/mathematical formulas
- How to manipulate vertical spaces
- 4 How to create a printable/annotate handout from the presentation
- 6 Example for animations
- 6 Language options
- "Thank you for attention!" frame

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THERE IS NO LARGEST PRIME NUMBER





Theorem: No largest prime number

There is no largest prime number.

THE PROOF USES reductio ad absurdum.

1 Suppose p were the largest prime number.

THEOREM: NO LARGEST PRIME NUMBER There is no largest prime number. Suppose p were the largest prime number. 2 Let q be the product of the first p numbers. EUCLID No Largest Prime Number There Is No Largest Prime Number ÖE 🖐 THE PROOF USES reductio ad absurdum. THEOREM: NO LARGEST PRIME NUMBER There is no largest prime number. 1 Suppose p were the largest prime number. 2 Let q be the product of the first p numbers. EUCLID No Largest Prime Number There Is No Largest Prime Number ÖE 🖐 THE PROOF USES reductio ad absurdum. THEOREM: NO LARGEST PRIME NUMBER There is no largest prime number. 1 Suppose p were the largest prime number. 2 Let q be the product of the first p numbers. **3** Then q+1 is not divisible by any of them. $oldsymbol{4}$ But q+1 is greater than 1, thus divisible by some prime number not in the first p numbers.

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There Is No Largest Prime Number

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THE PROOF USES reductio ad absurdum.

EXAMPLE FOR SIMPLE FIGURE







FIGURE: Example for simple figure

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EXAMPLE FOR WRAPFIGURE WITHOUT CAPTION





The ABC Center for Intelligent Robotics is devoted to promote the scientific and technological advancement of robotics, primarily for service applications.

The ABC Center for Intelligent Robotics was created as a primary reply to the rising demand of integrated education and application-oriented development in robotics. It is an independent platform within the Óbuda University, extensively relying on a national and international network of key partner institutions and companies in Europe and North America, predominantly.



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EXAMPLE FOR SUBFIGURES







(a) Subfigure 1 caption



(b) Subfigure 2 caption



(c) Subfigure 3 caption

FIGURE: Global figure caption

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ŌE U **EXAMPLES FOR** MATHEMATICAL FORMULAS A "multline": 1 + 1 +1+1+1=5 (1) An "align*": 1 = 11 + 1 = 21 + 1 + 1 = 3An "equation*" in a "block"

PRODUCT

It is easy to see that

$$\sum_{n=1}^{N} 1 = N$$

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VERTICAL SPACES





Previous environments are defined with much space before/after them. It can be avoided by using inline equations via \$ \$,

or commands like \vspace{-2mm}.

(With positive arguments the space can be increased.)

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CREATING A HANDOUT



By applying "handout" optional argument as "\documentclass[handout]beamer":

the "\pause" comments will not be taken into account

You can also create a printable form, where three frames are placed into one A4 page by using the command "\threeframeslayout"

(In this case, the "thankyouforattentionframe" is omitted to save paper.)

It is recommended to use it with the [handout] option, the result is depicted on the right side



E	XAMPLE FOR ANIMATION	ōe 🖣
	The animate package provides opportunity to embed animation into the pdf presentation as	
	(Animation omitted - position is not set!)	
	For more details, see its documentation:	
	http://mirrors.nxthost.com/ctan/macros/latex/contrib/animate/anim	ıate.pdf.
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	NIMATION COMPATIBLE WITH THE IREEFRAMESLAYOUT	ōe 🤚
	A modified animate package is included, that support the	
	threeframeslayout option, if you declare where the animation mu be placed: 'top','center' or 'bottom'	st
	The previous animation does not appear in the annotable output but the next one will be placed appropriately:	t,
	zao silo ilono silo ilini zo piassa appropriassi,	
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	The DADIC large and the Continuous and the Continuo	مة الله
	The BARK logo and the footline appear automatically only if the is frametitle defined.	e re r= 🖐
		i
	If it is not defined the \showfootline and \showlogo comman can be used to show them — if they are needed — as in this frame	
	The footline shows the so called shorttitle and shortauthor if the are given (as \title[A shorttitle]{A title},	
	\author[Shortauthors]{Authors}) or the title / author if the are not (as \title{A title}, \author{Authors}).	еу
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